

1. Record Nr.	UNINA9910153304403321
Autore	Kumar Raj
Titolo	Protein Toxins in Modeling Biochemistry / / by Raj Kumar, Bal Ram Singh
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-43540-X
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XIX, 145 p. 249 illus., 205 illus. in color.)
Collana	SpringerBriefs in Biochemistry and Molecular Biology, , 2211-9353
Disciplina	574.192
Soggetti	Proteins Proteomics Microbiology Protein Science Protein Structure Protein-Ligand Interactions Applied Microbiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Protein folding -- Molten Globule -- Uniqueness of toxin structure and function -- Molten globule conformational implication on toxicity.
Sommario/riassunto	This succinct volume addresses the production of inactive, potentially toxic proteins in the absence of correct protein folding and the resultant neurodegenerative diseases. Other topics include intrinsic disorder in protein structure and function and the effects of molten globules on protein toxicity. This concise and yet thorough text also discusses using toxin structure as a model for studying structural and functional aspects of protein chemistry. Protein Toxins in Modeling Biochemistry, a SpringerBrief, is essential reading for advanced researchers, scientists and advanced graduate students interested in protein chemistry and related areas of biochemistry and molecular science. .